

METER READING USING PLACE VALUE

Episode 207: Snappy and Blossom Learn About Utilities
4th Grade

Georgia Performance Standard

- M4N1a Identify place value names and places from hundredths through one million

Objectives

- The students will read gas meters to determine how much gas (in cubic feet) has been used.
- The students will take the amount of cubic feet of gas used and draw the hands on the meter to represent it correctly.

Materials

- TV/VCR or Computer/LCD Projector
- Video *Count On It!* 207
- Chart paper and markers
- Meter reading hand-outs (included in lesson)

Procedure

Opening

- View *Count On It!* 207 clip “Meter Reading” (VHS 14:58 – 15:32).
- Discuss what you viewed (some of the science was confusing – if students have questions, answer them, but most of the science in this clip is above their grade level, so you do not need to hold them accountable for it).

Work time

- Replay the segment and discuss the place value of the dials.
- Ask why they think there are no dials for the lower place values (answers will vary, but it is necessary to call attention to the fact that the four dials they are viewing are millions, hundred thousands, ten thousands, and thousands).
- Have a pre-made chart ready to use as a review (at least one problem where the dials are filled out and they need to determine how much gas has been used and at least one problem where they know how much gas has been used, but need to fill in the dials). Use this chart as a whole group activity.
- In individuals or pairs (your choice), have students complete the hand-out which is similar to the whole group activity just completed.

Closing

- Choose a student per problem to share with the class how he solved the problem.

Assessment

- Hand-out can be graded